



Toujours un temps d'avance

Météo France

User guide

OpenAM and OpenDJ deployment

Version

Le 18/03/2016

Identifiant : –

Fichier original : 13814-02_MeteoFrance_Scripts-OpenDJ-OpenAM_Deployment-
guide_v2.2.odt

Historique des évolutions et visas

Visas

	RÉDACTION	APPROBATION	VALIDATION
NOM	Guy GODFROY	Guilhem VALENTIN	Guilhem VALENTIN
FONCTION	Intégrateur système	Directeur de projets	Directeur de projets
DATE	08/01/2016	11/01/2016	11/01/2016
VISA			

Historique des évolutions

VERSION	DATE	ACTEUR CONTRIBUTEUR	OBJET DE L'ÉVOLUTION
0.1	08/01/2015	Guy Godfroy	Creation.
1.0	08/01/2015	Guilhem Valentin	Validation
2.0	02/02/2015	Guy Godfroy	Added OpenWIS configuration part
2.1	10/03/2015	Slim Cadoux	Hotfix
2.2	18/03/2015	Slim Cadoux	Modification for Security folder

Statut du document : 51 – Validé

Diffusion du document

Mention de diffusion : Groupe Linagora

NOM	ORGANISME	POUR	MÉDIA
Tous les collaborateurs du projet	LINAGORA	Information	Courriel, LinShare
Tous les collaborateurs du projet	Météo France	Action	Courriel, LinShare

Liste des contributeurs

- Guy GODFROY
- Guilhem VALENTIN
- Slim CADOUX

Table des matières

1	Introduction.....	4
2	Communication between OpenAM and OpenDJ.....	5
2.1	Disclaimer.....	5
2.2	Pre-requisites.....	6
2.3	Configuration.....	6
2.4	Run the script.....	6
3	OpenWIS Service Provider.....	8
3.1	Service Provider.....	8

1 Introduction

This document explains how to correctly setup OpenDJ and OpenAM for them to communicate each other, and a basical OpenWIS configuration, and then how to configure them in the OpenWIS point of view.

This procedure was inspired by the original OpenAM Migration manual. Everything has been automated with scripts, so graphical configuration is no longer required.

2 Communication between OpenAM and OpenDJ

The scripts of this part are in `deploy.tar.gz`.

2.1 Disclaimer

While configuring your openwis stack, you can often be stuck for many reasons. To avoid most of the bugs you need to check the following things:

- ensure your hostname is properly set in both **/etc/hosts** and **/etc/sysconfig/network**
- ensure the hostname is set with the LAN ip and not only localhost
- use the fqdn format for your hostname where is required everytime
- this host name must be resolvable by the internal dns of your LAN and / or your own server (this is also required if you need to browse openam webUI).
- **never** declare any "localhost" in any *.properties file. **Always use their fully qualified domain name**
- ensure your firewall rules allows every connections and port you need

On a side note, if you have to reinstall the stack.

- Ensure every java processes are terminated.
- Shutdown apache-tomcat
- Use the shell command `rpm -e OpenDJ*` and `rpm -e OpenAM*`
- then erase the remaining files manually in the folder of openwis
- erase the folder openam inside apache-tomcat

2.2 Pre-requisites

Install dependencies if required:

```
yum install java-1.7.0-openjdk
yum install java-1.7.0-openjdk-devel
```

Ensure Tomcat is installed somewhere.

```
cd /home/openwis
tar zxvf apache-tomcat-7.0.68.tar.gz
```

Install OpenDJ and OpenAM:

```
sudo rpm -i OpenDJ-2.6.0-1.el6.x86_64.rpm
sudo rpm -i OpenAM-12.0.0-1.el6.x86_64.rpm
```

2.3 Configuration

You have to specify your domain names and choose some passwords in the files `setup_opendj.properties` and `SSOConfiguratorTools/setup_openam.properties`.

For OpenDJ you have to modify the following fields :

```
hostname
rootUserPassword
baseDN
```

For OpenAM you have to modify the following fields :

```
SERVER_URL
COOKIE_DOMAIN
ADMIN_PWD
DIRECTORY_SERVER      #must refer to OpenAM host
ROOT_SUFFIX
USERSTORE_HOST        #must refer to OpenDJ host
USERSTORE_SUFFIX
USERSTORE_PASSWD      #must match OpenDJ password
```

You must also configure the deployment script by editing file `deploy_config` :

```
OPENAM_PATH=/home/openwis/middleware
OPENDJ_PATH=/home/openwis/OpenDJ-2.6.0

OPENAM_URL=http://hacops.lan.par.lng:8080/openam
#REMOTE_URL=http://bouyab.lan.par.lng:8080/openam
IDPDSC_PREFIX=http://hacops.lan.par.lng:8080/idpdiscovery
TOMCAT=/home/openwis/apache-tomcat-7.0.68
```

2.4 Run the script

Then run the deployment script to deploy and configure OpenDJ and OpenAM:

```
cd deploy-scripts
./deploy.sh
```

You now have a fully configured OpenAM / OpenDJ stack

If you need to do a server maintenance for instance, always shutdown Tomcat first, then OpenDJ.

To restart your stack properly, start OpenDJ, wait for it to be running properly, then start Tomcat.

3 OpenWIS Service Provider

The scripts of this part are included in `deploy.tar.gz`.

3.1 Service Provider

You first must generate your fedlet on your other portals before doing this step.

This script will import the remote service providers and match the attributes.

```
cd sp
./service-prov.sh
```